SYNOPSIS

Design and development of thesaurus of banking terms

Submitted to

Swami Ramanand Teerth Marathwada University,Nanded.

For the Degree of
Doctor of Philosophy in library and information science
In Faculty of Interdisciplinary Studies

By

Nilesh Vitthalrao Nagare
Librarian
M.S.G.Arts, Science & Commerce College
Malegaon Camp Dist.Nashik

Under Guidance of

Dr.Vilas Ashokrao Kale
Librarian
Swatantrya Sainik Surybhanaji Pawar College
Purna Dist. Parbhani

December 2019

Design and Development of Thesaurus of Banking Terms.

Introduction :

Knowledge is expanding each and every day throughout the world. Library and information centers play an important role in this context by providing pinpointed, exhaustive and expeditious information. The knowledge explosion has lead to several changes in library and information field too. One of the major changes that have occurred in libraries is the change in storage and retrieval devices. So the organization of information sources in appropriate manner is essential for easy and effective retrieval. Apart from author and title, the documents are arranges under the name of subject or subject content of documents. But the richness of natural language in case of variety, leads to number of problems in information storage while representing subject content of information sources. It creates problems through synonyms, homonyms, spelling variations, word forms, and compound phrases etc. this richness i.e. variety of natural language affects the precise retrieval.

Therefore, the terms which are used to represent the subject content of document must be controlled. There are various tools like list of subject headings, classification schemes and thesaurus used to control such vocabularies in information storage and retrieval. For the strength and success of library profession, the professional education plays a vital role. In the fast changing scenario the literature on the subject is increasing at very fast speed. There is need to have vocabulary control tool like thesaurus for the effective storage and retrieval of information in the subject banking.

In the thesaurus the synonymous terms are controlled as preferred terms and gives cross-references to these terms. The list of subject heading is also used to control the variety of language. The list subject heading provides previously used terms only. The classification scheme helps to arrange the document on the shelves. But the thesaurus shows the relation between terms. Thesaurus overcomes the problem of both vocabulary control tools in library.

As per as banking is concern it is the subject under the broad subject area of commerce. It covers various aspects on the basis of its functions. Now days the banking sector has tremendous

changes due to application of information communication technology. The information technologies have change the nature and scope of banking function and bank as an organization. So the studies and researches are also increased in the subject of banking. The frauds and other things happened due to misuse of banking information which leads to more studies on securities and changes in function of banking. However the research increased in any subject it grows the knowledge and it needs the organization, storage and retrieval of knowledge available in sources of Information. Thus the tools like thesaurus help to study more in banking subject by providing a proper vocabulary control tool in banking.

Review of Literature:

Following paragraphs provides review of selected literature dealing with the topic of this study.

Foskelt, D.J. (2001) stated that the detailed order of colon classification is probably superior to any other scheme. By providing an explicit facet formula in each class, it secures two major objectives in library classification.

a. Helpful order so that, in each class the material is consistently brought together according to the most significant features of the subject.
b. There is almost complete certainty as to the location of a simple compound or complex subject.

Most bibliographic databases provide access to descriptors from a controlled vocabulary and text words for free text searching. So to observe online search practices Fidal, R.(1992) conducted a studies of 47 professionals searchers working in different types of libraries and specializing in a variety of subject areas. This study proves the importance of controlled vocabulary. The important role of thesauri and indexing in demonstrated as searchers consulted thesauri for 75% of search terms selected. The study reveals that the searcher who preferred the text words did not compensate for lack of vocabulary control by using synonyms. This study also shows that both text words and descriptors are necessary for quality searching. There is need for database producer and search system vendors to provide flexible, easy and inexpensive access to thesaurus.

Laguerr Garcia, J.L. (2006) examines the characteristics, advantages and disadvantages of thesauri and other kinds of controlled vocabulary in electronic format available on internet. To illustrate this, author expose some examples of classifications and thesaurus that is possible to locate on the web.

Peterson (1990) describes the process and policies that were developed to construct indexing language that would represent knowledge in the field of Art and Architecture and surrogate for the images and objects. The authors also discuss the “Atomized” presentation of AAT’s (Art & Archecture thesaurus) and faceted language also.

Wang, Jun (2007) described an automated process of adding new terms in to thesauri as entry vocabulary. It can be added by analyzing the associations between words/ phrases which are extracted from titles and subject descriptors. For that purpose author used steps of methods such as

1. Extracting words & phrases from title field of metadata

2. To identify and select the specific and meaningful keywords based on associated controlled vocabulary terms from thesaurus used to catalogue the document.

3. To insert the selected keywords into thesaurus as new terms. Thereby updating the thesaurus with new terminology is easy that is being used in literature.

Kaula (1985) stated the various patterns of classification system and th introduction of depth classification pattern. The universal applicability of faceted classification system and their limitations are also observed and discussed by the author. Kaula puts forth the alternative for the future development of classification, for the information retrieval, which includes reconstruction or depth version of schedules and thesaurus.

Gopinath (1986) provided the manual for constructing depth version of colon classification and established the value of classification in general cognitive skills. Gopinath further described the whole process or step of designing depth classification schedule from kind of resources need to draft of depth classification schedule with an example of depth version of colon classification for solor energy.

Kumbhar (2004) prepared a depth classification schedule for library and information science to construct the thesaurus of library and information science. This schedule was constructed by blending the speculative and pragmatic approaches suggested by Ranganathan. While designing depth classification schedule author followed the guidelines suggested by Gopinath M A.

Singh, Sukhdev (1999) discussed facet analysis projected in colon classification is now accepted all over the world. Further he states the analytic synthetic pattern of classification as a means of subject analysis and its application into constituent facets based on fundamental categories and other subject features of the schemes.

Objectives:

1. To review availability of thesaurus and glossaries in banking.
2. To identify the sources of information available on banking for terms collection.
3. To prepare a depth classification schedule of banking based on DDC.
4. To relations between descriptive terms for designing thesaurus.
5. To prepare a thesaurus of banking terms based on depth classification schedule.

Hypotheses:

1. The principles of helpful sequences given by Dr.S.R.Ranganathan are useful to design depth classification schedule.

2. It is feasible to construct the thesaurus of banking terms with the help of depth classification.

Methodology

The methodology or procedure to be used in designing the depth classification schedule and thesaurus is described here in short way. The detail description of methodology to be use for the construction of classification schedule will describe in chapter 2 and thesaurus in chapter 4.

For the construction of thesaurus depth classification schedule will be designed first on the basis of Dewey Decimal Classification scheme along with mixed notations. For that purpose the candidate or preferred terms will collect by reading and browsing various sources of subject field. The terms will records on 3 inch by 4 inch size card along with definition and bibliographic details on the verso of the cards. The sample entry card is as follows.

Brainstorming method (teaching) Creative session of spontaneous problem solving is known as brainstorming. **Gopinath M A.(1991)** Creative methods and education in LIS education, In Tejomurthy,A. Ed. Library and information science education & teaching methods. Jaipur: RBSA: P-75

List of documents to be search for the collection of terms are as follows.

A. Periodicals

1. The Journal of Commerce
2. Financial History Review
3. The Journal of Economic History
4. Ethics and International Affairs
5. The World Bank Research Observer
6. The World Bank Economic Review
7. Asian Journals of Research in Banking and Finance
8. International Journal of Management, IT and Engineering
9. Zenith International Journal of Business Economics and Management Research
10. International Journal of Marketing and Technology
11. International Journal of Management and Social Sciences
12. Journal of Banking & Finance
13. Indian journal of Banking
14. Indian Journal of Marketing
15. Reserve Bank of India Bulletin
16. Banking event updates
17. Vyapari Mitra
18. Management Accounting
19. Yojana
20. Sampada

B. List of some representative books to be use to collect the terms of banking.

1	Business Organization & Management –	C.B. Gupta
2	Management Theory & Practice –	J.N. Chandan
3	Essential of Business Administration –	K. Aswath apa
4	Principles & Practice of management –	Dr. L.M. Prasad,
5	Business Organization & management –	Dr. Y.K. Bh ushan.
6	Management: Concept and Strategies	J.S. Chandan,
7	Principles of Management, B	Tripathi, Reddy
8	Business organization and management	Talloo by
9	Business Environment and policy – A book on Stra tegic Management/ Corporate Planning	Francis Cherunilam,

10	Marketing Management	Philip Kotler
11	Marketing Management Cravens	Hills – Woodruff
12	Marketing – A Managerial Introduction	Gandhi
13	Marketing Information System	Davis – Olsan
14	Consumer Behavior	Schiffman – Kanuk
15	Principles and practice of Marketing	John Frain.
16	Financial Management -	P.V. Kulkarni -
17	Corporation Finance -	S.C. Kucchal -
18	Financial Management -	I.M. Pandey -

C. E-Journals and E-Books of Banking available in INFLIBNET N-LIST Database.

D. The Glossaries

1. Glossary of business terms
2. E-Commerce Glossary

The descriptive terms will identified from these collected terms. They will group in facet wise and within facet they will arrange by applying various principles of helpful sequence given by Dr. S.R. Ranganathan (1989). Notations will give to arranged isolates and speciators as per Dewey decimal classification scheme along with mix notations.

Then the thesaurus will construct by using the depth classification schedule. This will make easy to establish various thesaural relationships between terms. The various standards to decide the descriptor forms and compound terms will use by applying UNESCO's guidelines for the establishment of monolingual thesauri, which is quoted by Kumbhar (2004) and Atchinson and Gilchrist,A (2000) in their Thesaurus construction and use: a practical manual.

Scope

The present study is restricted to the construction of a thesaurus for banking. For this purpose, the depth classification schedule is designed by using the base of DDC along with mixed notations.

Importance/ Relevance/ Significance of study:

There is need to have terminological standard in writing articles and research papers or any intellectual write-ups. The variety of natural language leads to create problems in precise retrieval such as synonyms, homonyms, spelling varieties, singular and plural form of words and compound phrases etc. So vocabulary control tool like thesaurus is needed to solve such problems created by natural language vocabulary. It can help to improve the performance of information storage and retrieval system. Thesaurus as a vocabulary control tool helps to overcome the problem of scattering or related terms or concepts by listing all related terms under the descriptors along with its exact relation.

Proposed work plan/ Formulation of structure of study :

The present research work will divided into five chapters

Chapter 1: The first chapter i.e. introduction includes preamble to the research work, objectives, scope and methodology of research.

Chapter 2: This chapter deals with general classification and depth classification scheme. It gives definition, needs and methodology suggested by Ranganathan S.R.

Chapter 3: This chapter covers the depth classification schedule of banking and analysis and interpretation about the schedule.

Chapter 4: This chapter covers thesaurus. It gives definition, need, types, and methodology of thesaurus construction suggested by Aitchinson J. This chapter also includes information about relationships in thesaurus.

Chapter 5: This chapter displays actual thesaurus of banking terms and also includes the conclusion and observations.

Work Plan of Proposed Research Work

Sr. No	Nature of work	Proposed Period
1	Introduction includes preamble to the research work, objectives, scope and methodology of research	6 months
2	Theoretical background of classification and depth classification schedule	6 months
3	Collection of terms of banking terms from various sources of information available on banking	10 months
4	Design of depth classification schedule of banking	8 months
5	Design of thesaurus based on depth classification schedule of banking	8 months
6	Writing thesis and submission	8 months

References:

1. Aitchison J. Gilchrist,A and Bowden D.(2000) *Thesaurus construction and use: manual* 4th ed. London: ASLIB. P.99
2. Fidel,R. (1992) Who needs controlled vocabulary? *Special libraries*, *83*(1). P.1-9
3. Foskett, D.J. (2001) Consecutive analysis of major classification scheme in practice some useful solution. *IJILIS 14*(1-2). P.32-38
4. Gopinath, M.A. (1986) *Construction of depth version of colon classification: a manual*. 2nd. Ed. New Delhi: Wiley Eastern Ltd.
5. Gupta N K (2019) *Banking: for bank promotion exams.* New Delhi: IBC Academy Publications
6. Indian Institute of Banking & Finance (2018) *Principles & practice of banking.* New Delhi: MacMillan Publication
7. Indian Institute of Banking & Finance (2018) *Digital banking.* New Delhi: Taxmann Publication Pvt.Ltd.
8. Indian Institute of Banking & Finance (2017) *Legal & regulatory aspects of banking* New Delhi: MacMillan Publication

9. Kaula,P.N. (1985) A new approach to the studies of classification for communication. *Library Herald 24*(1-2). P.15-24
10. Kotlar Philip (2005) *Marketing Management*. New Delhi: Pearson International.
11. Kumbhar,R.M. (2004) *Thesaurus of library and information science.* New Delhi : Ess Ess Publication P.172
12. Kumbhar R.M. (2005) Speciator based depth classifications application in thesaurus construction. *Annals of library and information studies*. *52*(1) P.15-24
13. Kulkarni P V (2018) *Financial Management.* New Delhi : Himalaya Publishing
14. Laguenr Gorcia,J L.(2006) Thesaurus and controlled vocabularies on internet. *Annual De Documentation* No.9 P.105-121
15. Paul Jastin and Aserkar Rajiv (2013) *Export Import Management.* New Delhi: Oxford University Press.
16. Peterson, Toni (1990) Developing a new thesaurus for Art and Architecture. *Library Trends*. *38*(4) P.644-658
17. Ranganathan, S. R. (1989) *Prolegomena of library classification* Vol.1 3rd Ed. Benglore: Sarada Ranganathan Endowment for Library Science P.124
18. Reed, Edward Wilson (1989) *Commercial Banking*. Gurgaon: PHI.
19. Sanati Gargi (2017) *Financial International Trade: Banking theory and applications*. New Delhi: Sage Publications.
20. Singh, Sukhdev (1999) Potentialities, limitations and the future of the colon classification. *Herald of library science 38*(3-4) P.41-43.
21. Toor, N.S. (2018) *Handbook of Banking Information*. New Delhi: Skylark Publication
22. Wang, Jun (2007) Automatic thesaurus development term extraction from title metadata. *Journal of the Association for Information Science and Technology 59*(1) P.25-37.

Research Scholar

NileshVitthalraoNagare
Librarian
M.S.G. College Malegaon Camp
Dist. Nashik

Research Guide

Dr.Vilas Ashokrao Kale
Librarian
SSSP College Purna (JN)
Dist. Parbhani